

Title (en)
Spring core with reinforced edges

Title (de)
Federkern mit Randverstärkung

Title (fr)
Noyau de ressort doté d'un renforcement de bord

Publication
EP 2123197 A1 20091125 (DE)

Application
EP 09160595 A 20090519

Priority
DE 102008024529 A 20080521

Abstract (en)
The core has springs (3, 4) wound in a helical-shape and arranged adjacent to each other in an axially parallel manner, where the springs (3) comprise large spring stiffness opposite to the springs (4). The springs form spring strands (1, 2) that are arranged one behind the other in a row, and an edge reinforcement is formed at two opposite edges of the spring core through the springs (3) that are connected with the springs (4) of the adjacent spring strand. The springs are arranged in bags from a flexible material e.g. textile material, where the bags are connected with one another.

Abstract (de)
Ein Federkern mit einer Vielzahl achsparallel nebeneinander angeordneter, schraubenförmig gewundener Federn (3, 4), von denen mehrere hintereinander in einer Reihe angeordnete, einen Federstrang (1, 2) bilden, und einer Randverstärkung, ist so ausgebildet, dass die Randverstärkung an zumindest zwei sich gegenüberliegenden Rändern des Federkerns durch Federn (3) gebildet ist, die jeweils mit zwei Federn (4) des benachbarten Federstrangs (1) verbunden sind.

IPC 8 full level
A47C 27/06 (2006.01)

CPC (source: EP US)
A47C 27/064 (2013.01 - EP US); **A47C 27/066** (2013.01 - EP US)

Citation (applicant)
DE 1654319 A1 19710218 - MOLT OTTO P

Citation (search report)
• [X] DE 4031654 A1 19920409 - HUESER SCHLARAFFIA WERKE [DE]
• [A] US 2003074736 A1 20030424 - GROTHAUS WOLFGANG [DE]
• [A] DE 29722598 U1 19980226 - FEDERNWERKE MARIENBERG GMBH [DE]
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EP2952122A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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